

AMERICAN JOURNAL OF PHYSICAL ANTHROPOLOGY

Founded by Aleš Hrdlička, 1918

MANAGING EDITOR

WILLIAM S. POLLITZER

Department of Anatomy
School of Medicine
University of North Carolina
Chapel Hill, N. C. 27514

With the Editorial Assistance of
K. K. NAMBOODIRI

ASSOCIATE EDITORS

JOHN BUETTNER-JANUSCH
Duke University

ALPHONSE BURDI
University of Michigan

JONATHAN FRIEDLAENDER
Harvard University

F. CLARK HOWELL
University of California, Berkeley

BOOK REVIEW EDITOR
EUGENE GILES
Department of Anthropology
109 Davenport Hall
University of Illinois
Urbana, Illinois 61801

STEPHEN MOLNAR
Washington University

DEREK F. ROBERTS
University of Newcastle Upon Tyne, England

DONALD SADE
Northwestern University

PETER WORKMAN
University of Massachusetts

FILM REVIEW EDITOR
EDWARD E. HUNT, JR.
Department of Anthropology
409 Social Sciences Building
Pennsylvania State University
University Park, Pennsylvania 16802

Official Publication of the American Association of Physical Anthropologists

Volume 39

JULY, SEPTEMBER, NOVEMBER 1973

PUBLISHED BY

THE WISTAR INSTITUTE OF ANATOMY AND BIOLOGY
PHILADELPHIA, PA.

COPYRIGHT © 1973 BY
THE WISTAR INSTITUTE PRESS

All rights reserved

Contents

135

No. 1 JULY 1973

JOHN BUETTNER-JANUSCH, ANDREW E. HAMILTON AND JAN. A. BERGERON. Chromosomes of Lemuriformes. I. A Chromosome Complement of <i>Lepilemur mustelinus</i> (I. Geoffroy 1851)	1
DANIEL HRDY. Quantitative Hair Form Variation in Seven Populations ..	7
DANIEL HRDY AND HOWARD P. BADEN. Biochemical Variation of Hair Keratins in Man and Non-human Primates	19
ERIK TRINKAUS. A Reconsideration of the Fontéchevade Fossils	25
N. M. HUBER AND D. JOWETT. Relationships between Lengths of Long Bones among Recent Americans and Early Medieval Alamannic Germans	37
PATRICIA S. GINDHART. Growth Standards for the Tibia and Radius in Children Aged One Month through Eighteen Years	41
TAKESHI SEKIGUCHI, BHIM SEN SAVARA AND BHUPENDRA S. ARYA. Norms of Size and Annual Increments of Six Anatomical Measures of the Cranium in Boys and Girls from Four to Fifteen Years of Age	49
W. A. B. BROWN. Forty-five Northern Irish Families: A Cephalometric Radiographic Study	57
ANTHONY J. PERZIGIAN. Osteoporotic Bone Loss in Two Prehistoric Indian Populations	87
JEAN S. AIGNER AND WILLIAM S. LAUGHLIN. The Dating of Lantian Man and His Significance for Analyzing Trends in Human Evolution ...	97
HARRY ISRAEL. Age Factor and the Pattern of Change in Craniofacial Structures	111
ELIECER EIDELMAN, AUBREY CHOSACK AND KURT A. ROSENZWEIG. Hypo- dontia: Prevalence amongst Jewish Populations of Different Origin	129
<i>Brief Communication</i>	
HERMAN T. EPSTEIN. Possible Metabolic Constraints on Human Brain Weight at Birth	135
<i>Book Reviews</i>	137

No. 2 SEPTEMBER 1973

Editor's Report	161
W. W. HOWELLS. Albert Damon — Obituary	165
ALBERT DAMON. Some Genetic Traits in Solomon Island Populations. I. Introduction: People and Habitats	169
JOHN G. RHOADS AND ALBERT DAMON. Some Genetic Traits in Solomon Island Populations. II. Hand Clasping, Arm Folding, and Handedness	179
CATHLEEN C. PAPADOPOULOS AND ALBERT DAMON. Some Genetic Traits in Solomon Island Populations. III. Relative Toe Length	185
STEWART W. HINDLEY AND ALBERT DAMON. Some Genetic Traits in Solomon Island Populations. IV. Mid-phalangeal Hair	191
JOHN C. BALDWIN AND ALBERT DAMON. Some Genetic Traits in Solomon Island Populations. V. Assortative Mating, with Special Reference to Skin Color	195
ALBERT DAMON. Some Genetic Traits in Solomon Island Populations. Concluding Remarks	203
R. E. F. LEAKEY AND A. C. WALKER. New Australopithecines from East Rudolf, Kenya (III)	205
KENNETH A. BENNETT. On the Estimation of Some Demographic Characteristics on a Prehistoric Population from the American Southwest	223
STANLEY M. GARN, JERROLD M. NAGY, SAM T. SANDUSKY AND FREDERICK TROWBRIDGE. Economic Impact on Tooth Emergence	233
LEONARD RADINSKY. <i>Aegyptopithecus</i> Endocasts: Oldest Record of a Pongid Brain	239
LEE C. DRICKAMER. Semi-natural and Enclosed Groups of <i>Macaca mulatta</i> : A Behavioral Comparison	249
A. ROBERTO FRISANCHO, JORGE SANCHEZ, DANILO PALLARDEL AND LIZANDRO YANEZ. Adaptive Significance of Small Body Size under Poor Socio-economic Conditions in Southern Peru	255
H. N. PATERIA. Ridge Counts of Plantar Dermatoglyphic Interdigital Areas and the Relation of Their Trends to the Anatomical Axis	263
D. R. APPLETON. Interactive Uses of Computer Models in Teaching Population Genetics	267
W. J. HIRSCHFELD, R. E. MOYERS AND D. H. ENLOW. A Method of Deriving Subgroups of a Population: A Study of Craniofacial Taxonomy	279
PETER ANDREWS AND DAVID B. WILLIAMS. The Use of Principal Components Analysis in Physical Anthropology	291
MAKOTO SUZUKI AND TAKURO SAKAI. Occlusal Surface Pattern of the Lower Molars and the Second Deciduous Molar among the Living Polynesians	305
Book Reviews	317

No. 3 NOVEMBER 1973

WILLIAM S. POLLITZER AND JOHN BUETTNER-JANUSCH. Louis S. B. Leakey — Obituary	335
M. H. DAY AND R. E. F. LEAKEY. New Evidence of the Genus <i>Homo</i> from East Rudolf, Kenya. I.	341
R. E. F. LEAKEY AND B. A. WOOD. New Evidence of the Genus <i>Homo</i> from East Rudolf, Kenya. II.	355
FUAD LECHIN, BERTHA VAN DER DIJS, CARMEN PEÑA AND MIREYA CHACON. A Study of Some Immunological and Clinical Characteristics of Gastritis, Gastric Ulcer, and Duodenal Ulcer in Three Racial Groups of the Venezuelan Population	369
MILFORD H. WOLPOFF. Posterior Tooth Size, Body Size, and Diet in South African Gracile Australopithecines	375
C. T. M. DAVIES AND J. P. M. VANHAAREN. Maximum Aerobic Power and Body Composition in Healthy East African Older Male and Female Subjects	395
ARTHUR G. STEINBERG. Gm and Inv Allotypes of Some Sidamo Ethiopians	403
ARTHUR G. STEINBERG. The Gm and Inv Allotypes of Some Ashkenazic Jews Living in Northern U.S.A.	409
DAVID W. FRAYER. <i>Gigantopithecus</i> and Its Relationship to <i>Australopithecus</i>	413
ALPHONSE RIESENFELD. The Effect of Extreme Temperatures and Starvation on the Body Proportions of the Rat	427
RICHARD S. SPIELMAN. Differences among Yanomama Indian Villages: Do the Patterns of Allele Frequencies, Anthropometrics and Map Locations Correspond?	461
Book Reviews	481
Index to Volume 39	497

